ISO 9001:2000 - Cert. 0192

AUTOMATIC TRANSFER UNIT
EAS 5 - 5DM - 5DT

- **Microprocessor based control unit**
- **Programmable from front panel**
- **Setup protected by access code**
- **Remote start/stop (normal or EJP)**
- **Alarms for engine and generator**
- **Built in transfer switches**
- **Automatic test at preset intervals**
- **Programmable maintenance intervals**

Standard equipment

- Connection cable to generating set l= 10m
- Remote start/stop input
- EJP Function

GENERAL SPECIFICATIONS

Mains/generator voltage		
EAS 5		230V, 1-phase, 6 KVA
EAS 5DM		230V, 1-phase, 6 KVA
EAS 5DT		400V, 3-phase, 10 KVA
	Optional	230V, 3-phase, 6 KVA
Frequency		50/60Hz
Protection		IP44
Dimensions wxdxh (mm)		220 x 75 x 350
Weight		4 Kg

CONTROL UNIT SPECIFICATIONS

Nominal supply voltage	12V dc
Voltage variance	6.5-15V
PCB current	100mA
Battery charger voltage	13.8VDC
Charging current	500mA
IMin. and max temp.	0-40°C

MAIN FEATURES

- Control based on 11 Mhz Intel 80c552 microprocessor
- 32Kbyte EPROM memory program
- 32Kbyte static RAM data memory
- 256 word EEPROM involatile data memory
- Three (3) figure LED display
- Function/status/alarm visualization by means of 15 LED's
- Diaphragm type push buttons with mechanical effect
- Voltage measured at Real Effective Value (RMS)
- All setups accessible from the front without dip switches (by software in permanent memory)
- Setups protected by access code
- Battery charger with "Intelligent" modulation of voltage and current

The LED's on the front panel indicate:

- ALARMS - ON — alarms are active
- ENGINE ON — engine running
- ST. FAILURE — engine failed to start
- FAILURES — a problem has occurred - see display for detail
- BATTERY — battery is not being charged

The 3 digit display shows:

- Mains/generator voltage (VOLT)
- Generator frequency (HERTZ)
- Battery voltage (V. BATT.)
- Operating hours (HOUR METER)
- Code for alarms or maintenance

The push buttons have these function:

- RESET — reset the system after an alarm
- MAN. — operate the system manually
- STOP — stop the system when operating in manual mode
- START — start the system when operating in manual mode
- AUT. — system operates automatically
- TEST — simulate an intervention
- MIS. — select the signal to be displayed on meter

Values shown are nominal values. For further information please contact the sales department.

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GENERATING SET
GE 13000 SC - SXC - SXC EAS

- Air cooled diesel engine
- Engine protection (oil pressure/temperature)
- Three-phase asynchronous alternator
- Suitable for electronic equipment
- Ground Fault Interrupter protection
- Trailer (optional)
- Meets EEC directives
- Prepared for connection to automatic transfer unit (SXC EAS)

Standard equipment

Diesel engine	Air cooling	Electric Starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Low fuel indicator	Engine temperature	Central lifting eye	
Asynchronous alternator	Socket 400V EEC	Socket 230V EEC	Ground fault interrupter	Fuse	Voltmeter	Start local / Remote Selector *	Ready for TCM/EAS *		(*) Only for SXC EAS		

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Plug 110V 32A 2PT (M)
- Automatic transfer unit EAS22 (SXC EAS only)
- Remote control TCM22 with cable 10 m (SXC EAS only)
- Earthing kit Mt10
- Trolley CTM300
- Site tow CTL300
- Road tow running gear CTV3

Technical data

Technical data	GE 13000 SC	GE 13000 SXC	GE 13000 SXC EAS
A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**		
Three-phase generation		13 kVA (10.4 kW)/ 400 V / 18.8 A	
Single-phase generation		10 kVA / 230 V / 43.4 A	
Single-phase generation (Option)		10 kVA / 110 V / 90.9 A	
Duty cycle		100%	
Power factor (Cos φ)		0.8	
Insulating class		H	
On request other voltages and frequences (60 Hz)			
ENGINE	**Diesel, 4-stroke, air cooled**		
Type		Ruggerini RD210	
Output *		14 kW (19 HP)	
Speed		3000 rpm	
Displacement		954 cm^3	
Cylinders		2	
Fuel consumption		250 g/kWh	
* Maximum output according to ISO 3046/1			
GENERAL SPECIFICATIONS			
Tank capacity		23 l	
Running time (Load 75%)		9 h	
Protection		IP 23	
Dimensions Lxwxh (mm)*		1320x790x750	
Weight *	340 kg	360 kg	360 kg
Noise level	98 LWA (73 dB(A) - 7 m)	95 LWA (70 dB(A) - 7 m)	95 LWA (70 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GENERATING SET
GE 10000 SC - SXC - SXC EAS

- Air cooled diesel engine
- Engine protection (oil pressure/temperature)
- Three-phase asynchronous alternator
- Suitable for electronic equipment
- Ground Fault Interrupter protection
- Trailer (optional)
- Meets EEC directives
- Prepared connection to automatic transfer unit (SXC EAS)

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Low fuel indicator	Engine temperature	Central lifting eye
Asynchronous alternator	Ground fault interrupter	Fuse	Socket 400V EEC	Socket 230V EEC	Voltmeter	Start local / Remote selector *	Ready for TCM/EAS *		(*) Only for SXC EAS	

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Automatic transfer unit EAS22 (SXC EAS only)
- Remote control TCM22 with cable 10 m (SXC EAS only)
- Earthing kit MT10
- Trolley CTM300
- Site tow CTL300
- Road tow running gear CTV3

Technical data	GE 10000 SC	GE 10000 SXC	GE 10000 SXC EAS
A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**		
Three-phase generation		10 kVA (8 kW)/ 400 V / 14.4 A	
Single-phase generation		7.5 kVA / 230 V / 32.6 A	
Duty cycle		100%	
Power factor (Cos φ)		0.8	
Insulating class		H	
On request other voltages and frequences (60 Hz)			
ENGINE	**Diesel, 4-stroke, air cooled**		
Type		Ruggerini RD210	
Output *		14 kW (19 HP)	
Speed		3000 rpm	
Displacement		954 cm^3	
Cylinders		2	
Fuel consumption		250 g/kWh	
* Maximum output according to ISO 3046/1			
GENERAL SPECIFICATIONS			
Tank capacity		23 l	
Running time (Load 75%)		10 h	
Protection		IP 23	
Dimensions Lxwxh (mm)*		1320x790x750	
Weight *	324 kg	344 kg	344 kg
Noise level	99 LWA (74 dB(A) - 7 m)	95 LWA (70 dB(A) - 7 m)	95 LWA (70 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GENERATING SET
GE 9000 BS PLUS

- B & S Vanguard gasoline engine
- Engine shut down (oil)
- Recoil starter
- Three-phase asynchronous alternator
- Ground fault interrupteur protection
- Wrap-around protective frame
- Trolley (optional)
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Engine shut down (oil)							
GA Asynchronous alternator	V Voltmeter	D Ground fault interrupteur	3~ EEC Socket 400V EEC	1~ EEC Socket 230V EEC	Fuse					

Options on request

- Plug 400V 16A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Trolley CTM222
- Kit earthing MT10

Technical Data — GE 9000 BS PLUS

A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**
Three-phase generation	8 kVA (6.4 kW)/ 400 V / 11.5 A
Single-phase generation	6 kVA / 230 V / 26 A
Duty cycle	100%
Cos φ	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	B&S Vanguard
Output*	9.2 kW (12.2 HP)
Speed	3000 rpm
Displacement	480 cm^3
Cylinders	2
Fuel consumption	340 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	9 l
Running time (Load 75%)	3.5 h
Protection	IP 23
Dimensions Lxwxh (mm) *	910x530x580
Weight *	132 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimension and weight are inclusive of all parts without optional CTM.

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GENERATING SET
GE 9000 DS PLUS

- Modern, air-cooled diesel engine
- Three-phase asynchronous alternator
- Ground fault interrupter protection
- Wrap-around protective frame
- Trolley (optional)
- Silenced
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Oil pressure indicator						
Asynchronous alternator	Voltmeter	Socket 400V EEC	Socket 230V EEC	Ground fault interrupter	Fuse						

Options on request

- Plug 400V 16A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Earthing kit MT10
- Trolley CTM222

Technical Data — GE 9000 DS PLUS

A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**
Three-phase generation	8 kVA (6.4 kW)/ 400 V / 11.5 A
Single-phase generation	6 kVA / 230 V / 26 A
Duty cycle	100%
Power factor (cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Diesel, 4-stroke, air cooled**
Type	Ruggerini MD 190
Output*	11.5 kW (16 HP)
Speed	3000 rpm
Displacement	851 cm^3
Cylinders	2
Fuel consumption	230 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	9 l
Running time (Load 75%)	4.5 h
Protection	IP 23
Dimensions Lxwxh (mm) *	1050x530x630
Weight *	170 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight inclusive of all parts without wheels and towbar.

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GENERATING SET
GE 10 SC - SXC - SXC EAS

- Air cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature)
- Hour meter
- Compound voltage regulation
- Ammeter, voltmeter, frequency meter
- Ground Fault Interrupter
- Central lifting eye
- Trailer (optional)
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Engine temperature	Low fuel indicator	Central lifting eye
Synchronous alternator	Compound system	Ammeter	Voltmeter	Voltmeter phase selector	Frequency-meter	Circuit breaker	Ground fault interrupter	Socket 230V EEC		

Options on request

- Plug 400V 16A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Remote control TCM40 (SXC EAS only)
- Automatic transfer unit EAS 22 (SXC EAS only)
- Earthing kit MT10
- OH6 heater kit (SXC EAS only)
- Site tow CTL400
- Road tow CTV3

Technical data	GE 10 SC	GE 10 SXC	GE 10 SXC EAS
A.C. GENERATION		**50 Hz, synchronous, three-phase, self-excited, self-regulated**	
***Three-phase generation (stand-by)**		10 kVA (8kW)/ 230 V / 25.1 A	
***Three-phase generation (P.R.P.)**		9 kVA (7.2 kW)/ 230 V / 22.6 A	
Single-phase generation		4.5 kVA / 230 V / 19.5 A	
Power factor (cos φ)		0.8	
Insulating class		H	

On request other voltages and frequences (60 Hz) * Output according to ISO 8528-1

ENGINE		**Diesel, 4-stroke, air cooled**	
Type		Lombardini 9LD625/2	
Output *		11 kW (15 HP)	
Speed		1500 rpm	
Displacement		1250 cm^3	
Cylinders		2	
Fuel consumption		225 g/kWh	

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS			
Tank capacity		26 l	
Running time (Load 75%)		10 h	
Protection		IP 23	
Dimensions Lxwxh (mm)*		1455x870x880	
Weight *	430 kg	450 kg	450 kg
Noise level	98 LWA (73 dB(A) - 7 m)	93 LWA (68 dB(A) - 7 m)	93 LWA (68 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GENERATING SET
GE 15000 SC - SXC - SXC EAS

- Air cooled diesel engine
- Engine protection (oil pressure/temperature)
- Three-phase asynchronous alternator
- Suitable for electronic equipment
- Ground Fault Interrupter protection
- Trailer (optional)
- Meets EEC directives
- Prepared for connection to automatic transfer unit (SXC EAS)

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Low fuel indicator	Engine temperature	Central lifting eye
Asynchronous alternator	Voltmeter	Socket 400V EEC	Socket 230V EEC	Ground fault interrupter	Thermal shut off	Start local / Remote Selector *	Ready for TCM/EAS *			

(*) Only for SXC EAS

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Automatic transfer unit EAS22 (SXC EAS only)
- Remote control TCM22 with cable 10 m (SXC EAS only)
- Earthing kit MT10
- Site tow CTL400
- Road tow CTV3

Technical data

Technical data	GE 15000 SC	GE 15000 SXC	GE 15000 SXC EAS
A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**		
Three-phase generation	15 kVA (12 kW) / 400 V / 21.7A		
Single-phase generation	10 kVA / 230 V / 43.5 A		
Duty cycle	100%		
Power factor (cos φ)	0.8		
Insulating class	H		
ENGINE	**Diesel, 4-stroke, air cooled**		
Type	Lombardini 9LD625/2		
Output *	19.1 kW (26 HP)		
Speed	3000 rpm		
Displacement	1250 cm^3		
Cylinders	2		
Fuel consumption	250 g/kWh		
* Maximum output according to ISO 3046/1			
GENERAL SPECIFICATIONS			
Tank capacity	26 l		
Running time (Load 75%)	8 h		
Protection	IP 23		
Dimensions Lxwxh (mm)*	1455x870x880		
Weight *	386 kg	406 kg	406 kg
Noise level	98 LWA (73 dB(A) - 7 m)	96 LWA (71 dB(A) - 7 m)	96 LWA (71 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GENERATING SET
GE 60 S EAS - SX EAS

- Air cooled diesel engine (1500 rpm) over speed
- Engine protection (oil pressure/temperature)
- Hour meter
- Three ammeter, voltmeter, frequency meter
- Circuit breaker overload protection
- Lifting eyes
- Meets EEC directives
- Prepared for connection to automatic transfer unit

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Hour counter	Engine protection	Siren	Fuel level gauge	Lifting eyes		
Synchronous alternator	Electronic voltage regulator	Voltmeter	Voltmeter phase selector	Ammeter	Frequencymeter	Circuit breaker	Terminal strip	Ready for EAS/TC	Start local / Remote selector	Emergency stop button

To be required with the order

- Isometer kit
- GFI Kit
- OH5 heater Kit

Options on request

- Earthing Kit MT25
- Automatic transfer unit EAS70-EAS/LC (cable 70m)
- Remote control TCM 40
- Site tow CTL50

Technical data

	GE 60 S EAS	GE 60 SX EAS
A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated, brushless**	
***Three-phase generation (stand-by)**	66 kVA (52.8 kW)/ 400 V / 95.4 A	
***Three-phase generation (P.R.P.)**	60 kVA (48 kW)/ 400 V / 86.4 A	
Single-phase generation	22 kVA / 230 V / 95.4 A	
Power factor (cos φ)	0.8	
Insulating class	H	

On request other voltages and frequences (60 Hz) * Output according to ISO 8528-1

ENGINE	**Diesel, 4-stroke, air cooled**	
Type	VM SUN 4105 TE	
Output *	60 kW (82 HP)	
Speed	1500 rpm	
Displacement	3980 cm^3	
Cylinders	4	
Fuel consumption	210 g/kWh	

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS		
Tank capacity	100 l	
Running time (Load 75%)	10 h	
Protection	IP 44	
Dimensions Lxwxh (mm)*	2400x870x1750	
Weight *	1340 kg	1440 kg
Noise level	97 LWA (72 dB(A) - 7 m)	90 LWA (65 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GENERATING SET
GE 6000 BS - PLUS

- Honda OHV gasoline engine
- Engine shut off-oil
- Three-phase asynchronous alternator
- Suitable for electronic equipment
- Wrap around protective frame
- Silenced
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Engine shut down (oil)							
GA Asynchronous alternator	V Voltmeter	3~ EEC Socket 400V EEC	1~ EEC Socket 230V EEC	D Ground fault interrupter	T Thermal shut off					

Options on request

- Plug 400V 16A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Kit hour counter
- Earthing Kit MT10
- Trolley CTM200
- Kit exhaust extension PS 4.5

Technical Data — GE 6000 BS PLUS

A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**
Three-phase generation	6 kVA (4.8 kW)/ 400 V / 8.7 A
Single-phase generation	5 kVA / 230 V / 21.7 A
Duty cycle	100%
Cos φ	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Honda GX 390
Output*	8.4 kW (11.4 HP)
Speed	3000 rpm
Displacement	389 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	6.5 l
Running time (Load 75%)	3 h
Protection	IP 23
Dimensions Lxwxh (mm) *	870x525x590
Weight *	100 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM.

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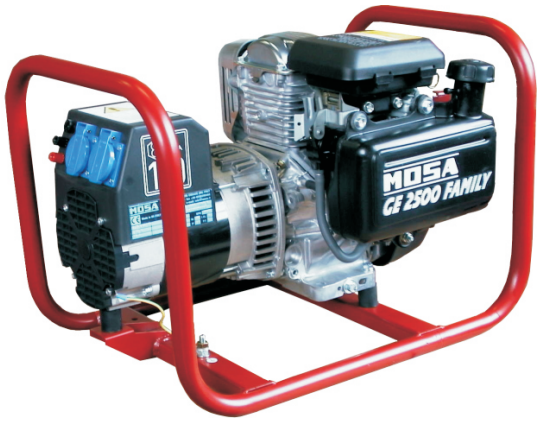
MOSA ICIM CISQ IQNet ISO 9001:2000 - Cert. 0192 LWA CE I

GENERATING SET
GE 2500 FAMILY



- HONDA, gasoline engine
- Engine shut down (oil)
- Single-phase synchronous alternator
- Protection: overload thermal shut off
- Battery charger 12V - 10A
- Protective frame
- Silenced
- Portable
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Engine shut down (oil)							
Synchronous alternator	Thermal shut off	Socket 230V Schuko	Battery charger	Fuse						

Options on request

- Plug 230V 16A 2PT (M) SCHUKO
- Earthing Kit MT10

Technical Data — GE 2500 FAMILY

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation (max)	2.3 kVA / 230V / 10 A
Single-phase generation (continuous)	2 kVA / 230V / 8.7 A
Battery charger d.c.	12V - 10A
Duty cycle	100%
Power factor (Cos φ)	1
Insulation class	H
ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Honda GC160
Output*	3.3 kW (4.5 HP)
Speed	3000 rpm
Displacement	160 cm^3
Cylinders	1
Fuel consumption	313 g/kWh
GENERAL SPECIFICATIONS	
Tank capacity	2 l
Running time (Load 75%)	2.6 h
Protection	IP 21
Dimensions Lxwxh (mm)	555x370x390
Weight	29 kg
Noise level	97 LWA (72 dB(A) - 7 m)

* Maximum output according to ISO 3046/1

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GENERATING SET
GE 3200 H FAMILY

- Honda, Gasoline engine
- Oil alarm shut off
- Single-phase synchronous alternator
- Overload protection
- Battery charger 12V - 10A
- Protective frame
- Silenced (S)
- Portable
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Engine shut down (oil)							
Synchronous alternator	Thermal shut off	Socket 230V Schuko	Battery charger							

Options on request

- Plug 230V 16A 2PT (M) SCHUKO
- Earthing Kit MT 10

Technical Data — GE 3200 H FAMILY

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation (max)	2.8 kVA (2.4 kW)/ 230 V / 12.2 A
Single-phase generation (continuous)	2.4 kW
Battery charger d.c.	12V - 10A
Duty cycle	100%
Power factor (Cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	GC 190
Output*	3.7 kW (5 HP)
Speed	3000 rpm
Displacement	187 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	2 l
Runnig time (Load 75%)	2.5 h
Protection	IP 23
Dimensions Lxwxh (mm)	555x370x290
Weight	35 kg
Noise level	98 LWA (73 dB(A) - 7 m)

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GENERATING SET
GE 4000 LDS/GS

- Lombardini, diesel engine
- Manual recoil with automatic decompression
- Synchronous alternator
- Overload protection and Ground Fault Interrupter
- Battery charger 12V - 10A
- Two socket 230V single-phase
- Portable
- Trolley (option)
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Manual recoil								
Synchronous alternator	Socket 230V EEC	Ground fault interrupter	Thermal shut off	Battery charger						

Options on request

- Plug 230V 16A 2PT (M)
- Earthing kit MT10
- Trolley CTM6000

Technical Data — GE 4000 LDS/GS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	3.6 kW / 230 V / 15.7 A
Battery charger d.c.	12V - 10A
Duty cycle	100%
Power factor (Cos φ)	1
Insulation class	H
ENGINE	**Diesel, 4-stroke, air cooled**
Type	Lombardini 15LD350
Output*	4.6 kW (6.3 HP)
Speed	3000 rpm
Displacement	349 cm^3
Cylinders	1
Fuel consumption	260 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	4.3 l
Runnig time (Load 75%)	4.2 h
Protection	IP 23
Dimensions Lxwxh (mm) *	785x410x515
Weight *	64 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimension end weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 4500 HBS

- Portable
- Honda, OHV Gasoline engine
- Oil alarm shut off
- Single-phase synchronous alternator
- Suitable for electronic equipment
- Overload protection and Ground Fault Interrupter
- Protective frame
- Silenced
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Engine shut down (oil)							
GS	D	T	1~	1 EEC						
Synchronous alternator	Ground fault interrupter	Thermal shut off	Socket 230V Schuko	Socket 230V EEC #	Battery charger					

Options on request

- Plug 230V 16A 2PT (M) SCHUKO
- Plug 230V 16A 2PT (M) (#)
- Earthing Kit MT10
- Kit exhaust extension PS 4.5
- Trolley CTM 6000

Technical Data — GE 4500 HBS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	4 kVA (3.6 kW)/ 230 V / 17,4 A
Battery charger d.c.	12V - 10A
Duty cycle	100%
Power factor (Cos φ)	0.9
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Honda GX 270
Output*	5.9 kW (8 HP)
Speed	3000 rpm
Displacement	270 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	6 l
Running time (Load 75%)	3.5 h
Protection	IP 23
Dimensions Lxwxh (mm)	785x465x500
Weight*	53 kg
Noise level	97 LWA (72 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 6000 DES/GS-L
GE 6500 DES/GS-L

- Yanmar Diesel engine
- Electric start
- Synchronous alternator
- Suitable for electronic equipment
- Wrap around protective frame
- Protection: Overload circuit breaker / Ground Fault Interrupteur
- Trolley CTM (optional)

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Oil pressure indicator	Engine shut down (oil)	B.C.Thermal shut off	
Synchronous alternator	Compound system *	Voltmeter	Ground fault interrupter	Circuit breaker	Thermal shut off **	Socket 400V EEC *	Socket 230V Schuko *	Socket 230V EEC **	

Options on request

- Plug 400V 16A 3PNT (T) *
- Plug 230V 16A 2PT (M) SCHUKO *
- Plug 230V 32A 2PT (M) **
- Plug 230V 16A 2PT (M) **

* Only GE 6500 DES/GS-L
** Only GE 6000 DES/GS-L

- Earthing kit MT10
- Trolley CTM10

Technical Data	GE 6000 DES/GS-L	GE 6500 DES/GS-L
A.C. GENERATION	**50 Hz, synchronous, self-excited, self-regulated**	
Three-phase generation	-	6.5 kVA (5.2 kW) / 400 V / 9.4 A
Single-phase generation	6 kVA (5.4 kW) / 230 V / 26 A	4 kVA / 230 V / 17.4 A
Duty cycle	100%	100%
(Cos φ)	0.9	0.8
Insulation class	H	H
On request other voltages and frequencies (60 Hz)		
ENGINE	**Diesel, 4-stroke, air cooled**	
Type	Yanmar L 100 AE	
Output*	6.5 kW (8.8 HP)	
Speed	3000 rpm	
Displacement	406 cm^3	
Cylinders	1	
Fuel consumption	245 g/kWh	
* Maximum output according to ISO 3046/1		
GENERAL SPECIFICATIONS		
Tank capacity	18 l	
Running time (Load 75%)	14 h	
Protection	IP 23	
Dimensions Lxwxh (mm) *	910x530x620	
Weight *	120 kg	126 kg
Noise level	99 LWA (74 dB(A) - 7 m)	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM.

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GENERATING SET
GE 6000 LBS

- Lombardini OHC, Gasoline engine
- Oil alarm shut off
- Single-phase synchronous alternator
- Manual recoil
- Protective frame
- Trolley CTM (optional)
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Engine shut down (oil)	Oil alert						
Synchronous alternator	Socket 230V EEC	Thermal shut off								

Options on request

- Plug 230V 16A 2PT (M)
- Earthing kit MT10
- Trolley CTM6000

Technical Data — GE 6000 LBS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	6 kVA (5.4 kW)/ 230 V / 26.1 A
Duty cycle	100%
Power factor (Cos φ)	0.9
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Lombardini LGA 340
Output*	6.9 kW (9.4 HP)
Speed	3000 rpm
Displacement	338 cm^3
Cylinders	1
Fuel consumption	342 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	6 l
Runnig time (Load 75%)	3.7 h
Protection	IP 23
Dimensions Lxwxh (mm) *	785x450x550
Weight *	65 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 7000 BS/GS

- Honda OHV gasoline engine
- Engine shut off-oil
- Single-phase synchronous alternator
- Suitable for electronic equipment
- Wrap around protective frame
- Silenced
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Hour counter	Engine shut down (oil)							
Synchronous alternator	Voltmeter	Socket 230V EEC	Circuit breaker	Ground fault interrupter	Thermal shut off						

Opti ons on request

- Plug 230V 32A or 16A 2PT (M)
- Plug 110V 32A or 16A 2PT (M)
- Earthing Kit MT10
- Trolley CTM200
- Kit exhaust extension PS 4.5

Technical Data — GE 7000 BS/GS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	6 kVA (5.4 kW)/ 230 V / 26 A
Single-phase generation (option)	6 kVA (5.4 kW)/ 110 V / 54.5 A
Duty cycle	100%
(Cos φ)	0.9
Insulation class	H
On request other voltages and frequencies (60 Hz)	
ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Honda GX 390
Output*	8.3 kW (11.3 HP)
Speed	3000 rpm
Displacement	389 cm^3
Cylinders	1
Fuel consumption	313 g/kWh
* Maximum output according to ISO 3046/1	
GENERAL SPECIFICATIONS	
Tank capacity	6.5 l
Running time (Load 75%)	3 h
Protection	IP 23
Dimensions Lxwxh (mm) *	910x525x613
Weight *	82 kg
Noise level	99 LWA (74 dB(A) - 7 m)
* Dimensions and weight are inclusive of all parts without optional CTM	

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GENERATING SET
GE 6000 DS/GS - DES/GS

- Yanmar Diesel engine
- Synchronous single-phase alternator
- Protection: Overload circuit breaker / Ground Fault Interrupter
- Manual recoil starter (DS)
- Electric starter (DES)
- Wrap around protective frame
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Manual recoil **	Electric starter *	Battery charger *	Hour counter	Oil pressure indicator *	B.C.Thermal shut off *		* only *GE6000 DES/GS*
Synchronous alternator	Voltmeter	Socket 230V EEC	Socket 110V EEC	Circuit breaker	Ground fault interrupter	Thermal shut off			** only *GE6000 DS/GS*

Options on request

- Plug 230V 32A 2PT
- Plug 110V 32A 2PT
- Plug 110V 16A 2PT
- PB3 Battery holder Complete with battery
- Earthing Kit MT10
- Trolley CTM6/2

Technical Data

Technical Data	GE 6000 DS/GS	GE 6000 DES/GS
A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**	
Single-phase generation	6 kVA (5.4 kW)/ 230 V / 26 A	
Single-phase generation (option)	6 kVA (5.4 kW)/ 110 V / 54.5 A	
Duty cycle	100%	
(Cos φ)	0.9	
Insulation class	H	
On request other voltages and frequencies (60 Hz)		
ENGINE	**Diesel, 4-stroke, air cooled**	
Type	YANMAR L 100 AE	
Output*	6.5 kW (8.8 HP)	
Speed	3000 rpm	
Displacement	406 cm^3	
Cylinders	1	
Fuel consumption	245 g/kWh	
* Maximum output according to ISO 3046/1		
GENERAL SPECIFICATIONS		
Tank capacity	5.5 l	
Running time (Load 75%)	4.5 h	
Protection	IP 23	
Dimensions Lxwxh (mm) *	900x550x622	
Weight *	96 kg	97 kg
Noise level	99 LWA (74 dB(A) - 7 m)	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 7500 BS/GS

- Honda OHV gasoline engine
- Engine shut off-oil
- Protections: Overload Circuit Breaker and
- Ground Fault Interrupter
- Three-phase synchronous alternator
- Wrap around protective frame
- Silenced
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Hour counter	Engine shut down (oil)						
Synchronous alternator	Compound system	Voltmeter	Socket 400V EEC	Socket 230V EEC	Circuit breaker	Ground fault interrupter				

Options on request

- Plug 400V 16A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Earthing Kit MT10
- Trolley CTM200
- Kit exhaust extension PS 4.5

Technical Data — GE 7500 BS/GS

A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated**
Three-phase generation	7 kVA (5.6 kW)/ 400 V / 10.1 A
Single-phase generation	4 kVA / 230 V / 17.4 A
Duty cycle	100%
(Cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Honda GX 390
Output*	8.3 kW (11.3 HP)
Speed	3000 rpm
Displacement	389 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	6.5 l
Running time (Load 75%)	3 h
Protection	IP 23
Dimensions Lxwxh (mm) *	910x525x613
Weight *	87 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 6500 DS/GS - DES/GS

- Yanmar Diesel engine
- Three-phase synchronous alternator
- Protections: Overload circuit breaker and Ground Fault Interrupter
- Manual recoil starter (DS)
- Electric starter (DES)
- Wrap around protective frame
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Manual recoil **	Electric starter *	Hour counter	Battery charger *	Oil pressure indicator *	B.C Thermal shut off*		
Synchronous alternator	Compound system	Voltmeter	Socket 400V EEC	Socket 230V EEC	Circuit breaker	Ground fault interrupter			

* only *GE6500 DES/GS*

** only *GE6500 DS/GS*

Options on request

- Plug 400V 16A 3PNT
- Plug 230V 16A 2PT
- PB3 Battery holder Complete with battery
- Earthing Kit MT10
- Trolley CTM6/2

Technical Data

Technical Data	GE 6500 DS/GS	GE 6500 DES/GS
A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated**	
Three-phase generation	6.5 kVA (5.2 kW) / 400 V / 9.4 A	
Single-phase generation	4 kVA / 230 V / 17.4 A	
Duty cycle	100%	
(Cos φ)	0.8	
Insulation class	H	

On request other voltages and frequencies (60 Hz)

ENGINE	**Diesel, 4-stroke, air cooled**	
Type	YANMAR L 100 AE	
Output*	6.5 kW (8.8 HP)	
Speed	3000 rpm	
Displacement	406 cm^3	
Cylinders	1	
Fuel consumption	245 g/kWh	

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS		
Tank capacity	5.5 l	
Running time (Load 75%)	4.5 h	
Protection	IP 23	
Dimensions Lxwxh (mm) *	900x550x622	
Weight *	107 kg	108 kg
Noise level	99 LWA (74 dB(A) - 7 m)	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 10000 DS/GS

- Diesel engine
- Three-phase synchronous alternator 10 kVA
- Suitable for electronic equipment
- Circuit breaker / GFI-ELCB
- Wrap around protective frame
- Silenced
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Oil pressure Indicator			
Synchronous alternator	Compound system	Voltmeter	Ground fault interrupter	Circuit breaker	Thermal shut off	Socket 400V EEC	Socket 230V EEC	Socket schuko 230V	

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Plug 230V 16A 2PT (M) SCHUKO
- Earthing kit MT10
- Trolley CTM10

Technical Data — GE 10000 DS/GS

A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated**
***Three-phase generation (stand-by)**	11 kVA (8.8 kW)/ 400 V / 15.9 A
***Three-phase generation (P.R.P.)**	10 kVA (8 kW)/ 400 V / 14.4 A
Single-phase generation	6 kVA / 230 V / 26 A
Duty cycle	100%
(Cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz) *Output according to ISO 8528-1

ENGINE	**Diesel, 4-stroke, air cooled**
Type	Ruggerini MD 190
Output*	11.4 kW (15.5 HP)
Speed	3000 rpm
Displacement	851 cm^3
Cylinders	2
Fuel consumption	230 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	18 l
Running time (Load 75%)	9 h
Protection	IP 23
Dimensions Lxwxh (mm) *	910x580x620
Weight *	153 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 8000 DS/GS

- Diesel engine
- Single-phase synchronous alternator
- Suitable for electronic equipment
- Circuit breaker / GFI-ELCB
- Wrap around protective frame
- Silenced
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Oil pressure indicator	
Synchronous alternator	Voltmeter	Ground fault interrupter	Circuit breaker	Socket 230V EEC	Thermal shut off		

Options on request

- Plug
- Earthing kit MT10
- Trolley CTM10

Technical Data — GE 8000 DS/GS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated**
Single-phase generation	8 kVA / 230 V / 34.8 A
Duty cycle	100%
(Cos φ)	0.9
Insulation class	H
On request other voltages and frequencies (60 Hz)	
ENGINE	**Diesel, 4-stroke, air cooled**
Type	Ruggerini MD 190
Output*	11.4 kW (15.5 HP)
Speed	3000 rpm
Displacement	851 cm^3
Cylinders	2
Fuel consumption	230 g/kWh
* Maximum output according to ISO 3046/1	
GENERAL SPECIFICATIONS	
Tank capacity	18 l
Running time	9 h
Protection	IP 23
Dimensions Lxwxh (mm) *	910x580x620
Weight *	145 kg
Noise level **	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM.

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GENERATING SET
GE 10000 BES/GS

- Honda OHV gasoline engine
- Three-phase synchronous alternator 10 kVA
- Suitable for electronic equipment
- Circuit breaker / GFI - ELCB
- Engine shut off-oil
- Wrap around protective frame
- Silenced
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Electric starter	Battery 12V	Hour counter	Engine shut down (oil)					
Synchronous alternator	Compound system	Voltmeter	Ground fault interrupter	Circuit breaker	Thermal shut off	Socket 400V EEC	Socket 230V EEC	Socket schuko 230V		

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A or 16A 2PT (M)
- Plug 230V 16A 2PT (M) SCHUKO
- Earthing kit MT10
- Trolley CTM10

Technical Data — GE 10000 BES/GS

A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated**
Three-phase generation (stand-by)	11 kVA (8.8 kW)/ 400 V / 15.9 A
***Three-phase generation (P.R.P)**	10 kVA (8 kW)/ 400 V / 14.4 A
Single-phase generation	6 kVA / 230 V / 26 A
Duty cycle	100%
(Cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz) *Output according to ISO 8528-1

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	Honda GX 620
Output*	13.3 kW (18 HP)
Speed	3000 rpm
Displacement	614 cm^3
Cylinders	2
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	18 l
Running time (Load 75%)	6 h
Protection	IP 23
Dimensions Lxwxh (mm) *	910x525x620
Weight *	133 kg
Noise level	99 LWA (74 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM

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GENERATING SET
GE 3000 SX

- Honda OHV gasoline engine
- Engine protection (oil)
- Single phase synchronous alternator
- Suitable for electronic equipment
- Recessed sockets
- Circuit breaker / GFI - ELCB
- Protective frame
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Oil alert	Engine shut down (oil)						
Synchronous alternator	Socket 230V EEC	Socket schuko 230V	Thermal shut off	Ground fault interrupter	Battery charger					

Options on request

- Plug 230V 16A 2PT (M)
- Battery cables set
- Earthing Kit MT10

Technical Data — GE 3000 SX

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	2.5 kVA (2,25 kW) / 230 V / 10.8 A
Battery charge d.c.	12V - 10A
Duty cycle	100%
Power factor (cos φ)	0.9
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	HONDA GX 160
Output*	3.3 kW (4.5 HP)
Speed	3000 rpm
Displacement	163 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	3.6 l
Running time (Load 75%)	3.5 h
Protection	IP 23
Dimensions Lxwxh (mm)	570x420x450
Weight	50 kg
Noise level	95 LWA (70 dB(A) - 7 m)

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GENERATING SET
GE 22 VS - VSX EAS

- Air cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature)
- Emergency stop button
- Electronic voltage regulation
- Ammeter, voltmeter, frequency meter, hour meter
- Ground Fault Interrupter
- Central lifting eye
- Trailer (optional)
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Oil pressure indicator	Oil temperature	Fuel level gauge/low fuel indicator	Central lifting eye	
Synchronous alternator	Electronic voltage regulator	Ammeter	Voltmeter	Voltmeter phase selector	Frequency-meter	Thermal shut off	Ground fault interrupter	Circuit breaker	Socket 400V EEC	Socket 230V EEC	

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Plug 230V 16A 2PT (M)
- Remote control TCM40 (SX EAS only)
- Automatic transfer unit EAS 22 (SX EAS only)
- OH1 heater Kit (SX EAS only)
- Road tow running gear CTV1
- Site tow CTL22
- Earthing kit Mt10 or MT 25

Technical data

	GE 22 VS	GE 22 VSX EAS
A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated, brushless**	
***Three-phase generation (stand-by)**	22 kVA (17.6 kW)/ 400 V / 31.8 A	
***Three-phase generation (P.R.P.)**	20 kVA (16 kW)/ 400 V / 28.9 A	
Single-phase generation	7.3 kVA / 230 V / 31.8 A	
Power factor (Cos φ)	0.8	
Insulating class	H	

On request other voltages and frequences (60 Hz) * Output according to ISO 8528-1

ENGINE	**Diesel, 4-stroke, air cooled**	
Type	VM SUN 2105	
Output *	20.6 kW (28 HP)	
Speed	1500 rpm	
Displacement	1990 cm^3	
Cylinders	2	
Fuel consumption	210 g/kWh	

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS		
Tank capacity	60 l	
Running time (Load 75%)	17.9 h	
Protection	IP 23	
Dimensions Lxwxh (mm)*	1720x980x1080	
Weight *	680 kg	700 kg
Noise level	98 LWA (73 dB(A) - 7 m)	94 LWA (69 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GENERATING SET
GE 33 V S - V SX EAS

- Air cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature/over speed)
- Hour meter
- Electronic voltage regulation
- Ammeter, voltmeter, frequency meter
- Ground fault interrupter
- Central lifting eye
- Trailer (optional)
- Meets EEC directives

* Only GE 33 V SX EAS

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Hour counter	Engine protection	Fuel level gauge	Central lifting eye	Emergency stop button	Ready for EAS/TCM*	Start local / Remote selector *
Synchronous alternator	Electronic voltage regulator	Ammeter	Voltmeter	Voltmeter phase selector	Frequencymeter	Socket 400V EEC	Socket 230V EEC	Thermal shut off	Ground fault interrupter	Circuit breaker

Options on request

- Plug 400V 32A 3PNT (T)
- Plug 230V 32A 2PT (M)
- Plug 230V 16A 2PT (M)
- Automatic transfer unit EAS40 (SX-EAS only)
- Remote control TCM 40 (SX-EAS only)
- OH1 heater kit (SX EAS only)
- Alarm siren
- Site tow CTL22
- Road tow CTV1
- Earthing kit MT10 or MT25

Technical data

	GE 33 V S	GE 33 V SX EAS
A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated, brushless**	
***Three-phase generation (stand-by)**	33 kVA (26.4 kW)/ 400 V / 47.6 A	
***Three-phase generation (P.R.P.)**	30 kVA (24 kW)/ 400 V / 43.3 A	
Single-phase generation	11 kVA / 230 V / 47.6 A	
Power factor (Cos φ)	0.8	
Insulating class	H	

On request other voltages and frequences (60 Hz) * Output according to ISO 8528-1

ENGINE	**Diesel, 4-stroke, air cooled**
Type	VM SUN 3105
Output *	31 kW (42 HP)
Speed	1500 rpm
Displacement	2985 cm^3
Cylinders	3
Fuel consumption	210 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS		
Tank capacity	68 l	
Running time (Load 75%)	11.5 h	
Protection	IP 23	
Dimensions Lxwxh (mm)*	1940x850x1080	
Weight *	860 kg	880 kg
Noise level	98 LWA (73 dB(A) - 7 m)	95 LWA (70 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

Values shown are nominal values. For further information please contact the sales department.

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GENERATING SET
GE 40 V S - V SX EAS

- Air cooled diesel engine (1500 rpm)
- Engine protection (oil pressure/temperature/over speed)
- Hour meter
- Electronic voltage regulation
- Ammeter, voltmeter, frequency meter
- Ground fault interrupter
- Central lifting eye
- Trailer (optional)
- Meets CEE directives

* Only GE 40 V SX (EAS)

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Hour counter	Engine protection EP5	Fuel level gauge	Central lifting eye	Emergency stop button	Ready for EAS/TCM*	Start local / Remote selector *
Synchronous alternator	Electronic voltage regulator	Voltmeter	Voltmeter phase selector	Ammeter	Frequencymeter	Socket 400V EEC	Socket 230V EEC (schuko)	Thermal shut off	Ground fault interrupter	Circuit breaker

Options on request

- Plug 400V 63A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Isometer
- Automatic transfer unit EAS40 (SX-EAS only)
- Remote control TCM 40 (SX-EAS only)
- OH1 heater kit (SX EAS only)
- Alarm siren
- Site tow CTL22
- Road tow CTV1
- Earthing Kit MT10 or MT25

Technical data

	GE 40 V S	GE 40 V SX EAS
A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated, brushless**	
***Three-phase generation (stand-by)**	44 kVA (36.2 kW)/ 400 V / 63.5 A	
***Three-phase generation (P.R.P.)**	40 kVA (32 kW)/ 400 V / 57.8 A	
Single-phase generation	14.6 kVA / 230 V / 63.5 A	
Power factor (cos φ)	0.8	
Insulating class	H	

On request other voltages and frequences (60 Hz) *Output according to ISO 8528-1

ENGINE	**Diesel, 4-stroke, air cooled**	
Type	VM 3105 T	
Output *	43 kW (58 HP)	
Speed	1500 rpm	
Displacement	2985 cm^3	
Cylinders	3	
Fuel consumption	225 g/kWh	

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS		
Tank capacity	68 l	
Running time (Load 75%)	9 h	
Protection	IP 23	
Dimensions Lxwxh (mm)*	1940x850x1080	
Weight *	910 kg	930 kg
Noise level	95 LWA (70 dB(A) - 7 m)	92 LWA (67 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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GRUPPO ELETTROGENO / *GENERATING SET*
GI 2000 SX

- **Alternatore a Magneti Permanenti / *Permanent magnet alternator***
- **Motore HONDA benzina / HONDA, *gasoline engine***
- **Arresto motore (olio) / *Engine shut down (oil)***
- **Carica batteria 12V - 8.3A / *Battery charger 12V - 8.3A***
- **Super silenziato / *Super silenced***
- **Portatile / *Portable***
- **Secondo direttive CEE per rumore e sicurezza / *Complies with all EEC safety and noise directives***
- **Grande autonomia 7 ore / *Large autonomy 7 hours***

Equipaggiamento standard / *Standard equipment*

Motore benzina *Gasoline engine*	Raffreddam. ad aria *Air cooling*	A strappo *Manual recoil*	Arresto motore (olio) *Engine shut down (oil)*	
Alternatore a magneti permanenti *Magnet permanent alternator*	Interruttore termico *Thermal shut off*	Presa 230V *Socket 230V*	Carica batteria *Battery charger*	

Accessori / *Options*

- Spina / *Plug* 230V 16A 2PT (M) SCHUKO

Dati tecnici / *Technical data*	**GI 2000 SX**
GENERAZIONE IN C.A.	**Autoeccitato, senza spazzole**
A.C. GENERATION	*Self-excited, brushless*
Tipo / *Type*	magneti permanenti / *Magnet permanent*
Frequenza / *Frequency*	50 Hz
Forma d'onda / *Waveform*	Onda quadra / square-wave
Potenza monofase continua (max) / *Rated (max) single phase power*	1500 (1700 max) VA / 230 V / 6.6 A
Carica batteria c.c. / *Battery charger d.c.*	12V - 8.3A
Cos φ / *Power factor* - Servizio / *Duty cycle*	1 / 100 %
MOTORE	**Benzina 4-tempi, raffreddamento ad aria**
ENGINE	*Gasoline, 4-stroke, air cooled*
Tipo / *Type*	HONDA GX 100
Potenza / *Output* *	2.3 kW (3.1 HP)
Regime / *Speed*	4500 giri/min / *rpm*
Cilindrata / *Displacement*	98 cm^3
Cilindri / *Cylinders*	1
Consumo carburante / *Fuel consumption*	327 g/kWh
Capacità olio / *Engine oil capacity*	0,4 l
* Potenza massima secondo ISO 3046/1 / *Maximum output according to ISO 3046/1*	
SPECIFICHE GENERALI	
GENERAL SPECIFICATIONS	
Capacità serbatoio / *Tank capacity*	7.7 l
Autonomia / *Running time*	7 h
Protezione / *Protection*	IP 23
Dimensioni Lxlxh / *Dimension Lxwxh (mm)*	560x340x415
Peso / *Weight*	22 kg
Rumorosità / *Noise level*	93 LWA (68 dB(A)-7m)

I valori sopra riportati sono nominali; per ulteriori informazioni contattare i servizi commerciali.

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GENERATING SET
GE 2000 SX

- Honda OHV gasoline engine
- Engine protection (oil)
- Single phase synchronous alternator
- Suitable for electronic equipment
- Recessed sockets
- Circuit breaker / GFI - ELCB
- Protective frame
- Meets EEC directives

Standard equipment

Gasoline engine	Air cooling	Manual recoil	Oil alert	Engine shut down (oil)							
Synchronous alternator	Socket 230V Schuko	Thermal shut off	Ground fault interrupter	Battery charger							

Options on request

- Plug 230V 16A 2PT (M) SCHUKO
- Battery cables set
- Earthing Kit MT10

Technical Data — GE 2000 SX

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	1.5 kVA / 230 V / 6.5A
Battery charge d.c.	12V - 10A
Duty cycle	100%
Power factor (cos φ)	1
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	HONDA GX 120
Output*	2.6 kW (3.5 HP)
Speed	3000 rpm
Displacement	118 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	2.5 l
Running time (Load 75%)	3.5 h
Protection	IP 23
Dimensions Lxwxh (mm)	480x370x400
Weight	35 kg
Noise level	96 LWA (71 dB(A) - 7 m)

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GENERATING SETS
GE 4500 HSX - EAS

- Honda OHV gasoline engine
- Engine protection (oil)
- Single phase synchronous alternator
- Suitable for electronic equipment
- Recessed sockets
- Circuit breaker / GFI - ELCB
- 4 casters
- Meets EEC directives
- Prepared for connection to Automatic transfer unit

Standard equipment

Gasoline engine | Air cooling | Electric starter | Battery 12V | Engine shut down (oil)

Synchronous alternator | Voltmeter | Socket 230V EEC | Ground fault interrupter | Thermal shut off | Battery charger | Start local / Remote selector

Options on request

- Plug 230V 16A 2PT (M)
- Cables for battery charger
- Automatic transfer unit EAS 5
- Earthing Kit MT10
- Kit exhaust extension

Technical Data — GE 4500 HSX EAS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	4 kVA (3.6 kW)/ 230 V / 17.4 A
Single-phase generation	4 kVA (3.6 kW)/ 115 V / 34.8 A
Battery charge d.c.	12V - 10A
Duty cycle	100%
Power factor (cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Gasoline, 4-stroke, air cooled**
Type	HONDA GX 270
Output*	5.9 kW (8 HP)
Speed	3000 rpm
Displacement	270 cm^3
Cylinders	1
Fuel consumption	313 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	13 l
Running time (Load 75%)	7.5 h
Protection	IP 23
Dimensions Lxwxh (mm)	900x570x770
Weight	132 kg
Noise level	88 LWA (63 dB(A) - 7 m)

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GENERATING SETS
GE 4500 SX
GE 4500 E/SX
GE 4500 SX EAS

- Honda OHV gasoline engine
- Engine protection (oil)
- Single phase synchronous alternator
- Suitable for electronic equipment
- Recessed sockets
- Circuit breaker / GFI - ELCB
- Protective frame
- Meets EEC directives
- Prewired for use with automatic transfer unit (SX EAS)

Standard equipment

Gasoline engine	Air cooling	Manual recoil **	Electric starter *	Battery 12V *	Oil alert	Engine shut down (oil)	
Synchronous alternator	Socket 230V EEC	Ground fault interrupter	Thermal shut off	Battery charger	Start local / Remote selector ***		

* Only E/SX - SX EAS
** Only SX
*** Only SX EAS

Options on request

- Plug 230V 16A 2PT (M)
- Cables for battery charger
- Automatic transfer unit EAS 5
- Earthing Kit MT10
- Kit exhaust extension PS 4.5

Technical Data

	GE 4500 SX Recoil start	GE 4500 E/SX Electric start	GE 4500 SX EAS Electric start for use with EAS-5
A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**		
Single-phase generation	4 kVA (3.6 kW)/ 230 V / 17.4 A		
Battery charge d.c.	12V - 10A		
Duty cycle	100%		
Power factor (cos φ)	0.9		
Insulation class	H		
On request other voltages and frequencies (60 Hz)			
ENGINE	**Gasoline, 4-stroke, air cooled**		
Type	HONDA GX 270 VXEB		
Output*	5.9 kW (8 HP)		
Speed	3000 rpm		
Displacement	270 cm^3		
Cylinders	1		
Fuel consumption	313 g/kWh		
* Maximum output according to ISO 3046/1			
GENERAL SPECIFICATIONS			
Tank capacity	6 l		
Running time (Load 75%)	3.5 h		
Protection	IP 23		
Dimensions Lxwxh (mm)	660x495x525		
Weight	73 kg	78 kg	78 kg
Noise level	96 LWA (71 dB(A) - 7 m)	96 LWA (71 dB(A) - 7 m)	96 LWA (71 dB(A) - 7 m)

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GENERATING SET
GE 6000 SX/GS - EAS

- Single-phase synchronous alternator
- Circuit breaker / Ground Fault Interrupter protection
- Yanmar, air cooled, diesel engine
- Electric start
- Engine protection (oil)
- Super silenced
- Prepared for connection to automatic transfer unit
- Optional trolley
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine shut down (oil)	Low fuel indicator	Oil pressure indicator	Central lifting eye	B.C. thermal Shut off
Synchronous alternator	Voltmeter	Socket 230V EEC	Socket 230V EEC	Circuit breaker	Thermal shut off	Ground fault interrupter	Start local / Remote selector	Ready for TCM/EAS		

Options on request

- Plug 230V 32A 2PT (M)
- Plug 230V 16A 2PT (M)
- Automatic transfer unit EAS5DM
- Remote control TCM6
- Earthing kit MT10
- Trolley CTM2
- Road trolley CTV3
- PS7.1 exhaust exstension (5m)

Technical Data — GE 6000 SX/GS - EAS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	6 kVA (5.4 kW)/ 230 V / 26 A
Single-phase generation (option)	6 kVA (5.4 kW)/ 110 V / 54.5 A
Duty cycle	100%
Cos φ	0.9
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Diesel, 4-stroke, air cooled**
Type	Yanmar L 100 AE
Output*	6.5 kW (8.8 HP)
Speed	3000 rpm
Displacement	406 cm^3
Cylinders	1
Fuel consumption	245 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	23 l
Running time (Load 75%)	17.5 h
Protection	IP 23
Dimensions Lxwxh (mm) *	1020x645x930
Weight *	194 kg
Noise level	94 LWA (69 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM.

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GENERATING SET
GE 6500 SX/GS - EAS

- Three-phase synchronous alternator
- Circuit breaker / Ground Fault Interrupter protection
- Yanmar, air cooled, diesel engine
- Engine protection (oil)
- Electric starter
- Prepared for connection to automatic transfer unit
- Optional trolley
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine shut down (oil)	Low fuel indicator	Oil pressure indicator	Central lifting eye	B.C. thermal shut off
Synchronous alternator	Compound system	Voltmeter	Socket 400V EEC	Socket 230V EEC	Circuit breaker	Ground fault interrupter	Start local / Remote selector	Ready for TCM/EAS		

Options on request

- Plug 400V 16A 3PNT
- Plug 230V 16A 2PT (M)
- Automatic transfer unit EAS5DM-EAS5DT
- Remote control TCM6
- Earthing kit MT10
- Trolley CTM2
- Road trolley CTV3
- PS7.1 exhaust exstension (5m)

Technical Data — GE 6500 SX/GS - EAS

A.C. GENERATION	**50 Hz, synchronous, three-phase, self-excited, self-regulated**
Three-phase generation	6.5 kVA (5.2 kW)/ 400 V / 9.4 A
Single-phase generation	4 kVA / 230 V / 17.4 A
Duty cycle	100%
(Cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Diesel, 4-stroke, air cooled**
Type	Yanmar L 100 AE
Output*	6.5 kW (8.8 HP)
Speed	3000 rpm
Displacement	406 cm^3
Cylinders	1
Fuel consumption	245 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	23 l
Running time (Load 75%)	17.5 h
Protection	IP 23
Dimensions Lxwxh (mm) *	1020x645x930
Weight *	200 kg
Noise level	92 LWA (67 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without optional CTM.

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GENERATING SET
GE 7000 SX/GA - EAS

- Yanmar, air cooled, diesel engine
- Electric start
- Engine protection (oil)
- Large tank (23 l)
- Three-phase asynchronous alternator
- Ground fault interrupter protection
- Prepared for connection to automatic transfer unit
- Optional trolley
- Meets EEC directives

Standard equipment

Diesel engine	Air cooling	Electric starter	Battery 12V	Battery charger indicator	Hour counter	Engine shut down (oil)	Low fuel indicator	Oil pressure indicator	Central lifting eye	B.C. thermal Shut off
Asynchronous alternator	Voltmeter	Socket 400V EEC	Socket 230V EEC	Thermal shut off	Ground fault interrupter	Start local / Remote selector	Ready for TCM/EAS			

Options on request

- Plug 400V 16A 3PNT (T)
- Plug 230V 16A 2PT (M)
- Automatic transfer unit EAS5DM-EAS5DT
- Remote control TCM6
- Earthing kit MT10
- Trolley CTM2
- Road trolley CTV3
- PS7.1 exhaust exstension (5m)

Technical Data — GE 7000 SX/GA - EAS

A.C. GENERATION	**50 Hz, asynchronous, three-phase, self-excited, self-regulated, brushless**
Three-phase generation	6.5 kVA (5.2 kW)/ 400 V / 9.4 A
Single-phase generation	5 kVA / 230 V / 21.7 A
Duty cycle	100%
Power factor (cos φ)	0.8
Insulation class	H

On request other voltages and frequencies (60 Hz)

ENGINE	**Diesel, 4-stroke, air cooled**
Type	Yanmar L 100 AE
Output*	6.5 kW (8.8 HP)
Speed	3000 rpm
Displacement	406 cm^3
Cylinders	1
Fuel consumption	245 g/kWh

* Maximum output according to ISO 3046/1

GENERAL SPECIFICATIONS	
Tank capacity	23 l
Running time (Load 75%)	17.5 h
Protection	IP 23
Dimensions Lxwxh (mm) *	1020x645x930
Weight *	209 kg
Noise level	93 LWA (68 dB(A) - 7 m)

* Dimensions and weight inclusive of all parts without wheels and towbar.

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GENERATING SET
GE 12000 SXC/GS EAS

- Engine Diesel - 3000 rpm
- Air Cooled
- Synchronous Alternator Single-phase
- Protections: G.F.I.
- Site tow CTL300 (optional)
- Super Silenced (SX)
- Prepared for connection to automatic transfer unit

Standard equipment

Diesel engine	Air cooling	Electric Starter	Battery 12V	Battery charger indicator	Hour counter	Engine protection	Low fuel indicator	Oil pressure indicator	Engine temperature	Central lifting eye
Asynchronous alternator	Voltmeter/ Frequencym.	Socket 230V EEC	Ground fault interrupter	Circuit breaker	Thermal Shut off	Start local / Remote Selector *				

Options on request

- Plug 230V 63A 2PT (M)
- Plug 230V 32A 2PT (M)
- Plug 230V 16A 2PT (M)
- Automatic transfer unit EAS17
- Remote control TCM22 with cable 10 m
- Heater Kit OH4
- Trolley CTM300
- Road Tow CTV3
- Earthing Kit MT10

Technical data — GE 12000 SXC/GS EAS

A.C. GENERATION	**50 Hz, synchronous, single-phase, self-excited, self-regulated, brushless**
Single-phase generation	12 kVA (10.8 kW) / 230 V / 52.2 A
Service	100%
Cosφ	0.9
Insulating class	H
On request other voltages and frequences (60 Hz)	
ENGINE	**Diesel, 4-stroke, air cooled**
Type	Ruggerini RD210
Output *	14 kW (19 HP)
Speed	3000 rpm
Displacement	954 cm^3
Cylindres	2
Fuel consuption	250 g/kWh
* Maximum output according to ISO 3046/1	
GENERAL SPECIFICATIONS	
Tank capacity	23 l
Running time (Load 75%)	9 h
Protection	IP 23
Dimensions* Lxlxh (mm)	1320x790x750
Weight*	297 kg
Noise Level	95 LWA (70 dB(A) - 7 m)

* Dimensions and weight are inclusive of all parts without wheels and towbar

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